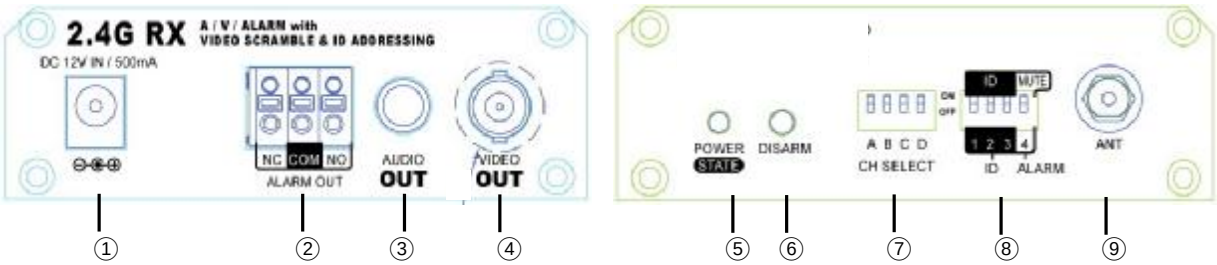
2.4GHz WIRELESS A/V/ALARM RECEIVER USER MANUAL

MODEL:

1. Panel View



1. DC+12V IN: Power input DC+12V/500mA.
2. ALARM OUT: Once triggered, the built-in buzzer and alarm remains on for a 20-sec time. This port could be connected to alarm devices, e.g.: Siren, Flashing Unit.
3. AUDIO: RCA female for audio signal output.
4. VIDEO: BNC female for video signal output.
5. POWER/STATE LED: Indicated to power on or ARM and RF link status.

Indications	Power/State LED
Power On	On
ARM	High speed Flashing
RF Loss/Waiting TX Link	Low Speed Flashing

6. DISARM: DISARM at receiver side only.
7. CH SELECT (1 2 3 4): 2.4GHz receiver has two receiving modes, one is single channel receiving, and the other is scan mode for multi-channel receiving. In scan mode, receiver shift to next channel per 3 seconds. (**Note:** Alarm signal output is disabled when the receiver is operating in scan mode.)

CHANNEL	CH SELECT	SCAN MODE	CH SELECT
CH1		CH1,CH3	
CH2		CH2 CH4	
CH3		CH1,CH4	
CH4		CH1~CH4	

8. ID AND ALARM MUTE: ID address setting is use for paring with transmitters.
   It must be make the same code setting to link transmitter and receiver each other. The alarm mute function is use for muting built-in buzzer and disables the alarm output at side only.

Bit 1	Bit 2	Bit 3	ID Address (Pairing with RX)
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	0	0	4
1	0	1	5
1	1	0	6
1	1	1	7
(1 = SW ON, 0 = SW OFF)			

Bit 4	Alarm Mute
0	ON
1	OFF

9. ANT: SMA connector for connected to 2.4 GHz antenna.

REMARK: When the frequency channels have the interference, adjust antenna or change the channel of transmitter and don't close to 802.11 a/b/g AP router and other 2.4GHz devices.
(**Note:** Please keep 3 ~ 5 meter away)

2. Caution for Installation

2.1 Be careful, never let any water in this equipment.
2.2 If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
2.3 Be extra careful not to shake the unit.
2.4 Avoid places where temperatures exceed 50 ^{o}C or higher.
2.5 Avoid places where there are frequent vibrations or shocks.
2.6 When any abnormalities occur, make sure to unplug the unit and contact your local dealer.

3. Packing

3.1 Receiver ×1
3.2 Antenna ×1
3.3 User manual ×1
3.4 Screws ×4
3.5 Plastic-Conical-Anchor ×4
3.6 Power Adaptor ×1 [Option]

4. Specification

CHANNAL/ FREQUENCY	CH1	CH2	CH3	CH4
	2414 MHz	2432 MHz	2450 MHz	2468 MHz
RF ANT. IMPEDANCE	50 Ω Typical			
Minimum Receiver Sensitivity	-82dBm Type.			
POWER SUPPLY	DC12V/500mA Adaptor			
CURRENT CONSUMPTION	250mA Typical			
VIDEO OUTPUT	1 Vp-p Composite @ 75Ω			
AUDIO OUTPUT	2 Vp-p @ 600Ω Typical, 2.7 Vp-p Max.			
ALARM OUTPUT	NC/NO/COM (Dry Contact) Contact Rating: AC 125V / 0.5A ; DC 24V / 1A			
DIMENSIONS (without Antenna)	L:86 mm	H:30 mm		D:110 mm

FCC Part 15 Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.